

IN THE CLAIMS

Please amend the claims as follows:

Claim 1 (Canceled).

Claim 2 (Currently Amended): ~~The recording and reproducing apparatus as set forth in claim 1,~~ A recording and reproducing apparatus, comprising:

a computer program product with instructions that when executed by a processor implement at least one of a recording portion for recording encrypted data to a recording medium having first information that is unique thereto and a reproducing portion for reproducing encrypted data recorded on the recording medium;

a storing portion for storing second information uniquely assigned to a valid electronic apparatus or valid application software; and

a connecting portion for mutually authenticating a data processing apparatus for at least encrypting data or decrypting encrypted data with a key generated in accordance with both the first information unique to the recording medium and the second information stored in the storing portion,

wherein a part of the second information is stored in the storing portion,

wherein the other part of the second information is stored in the data processing apparatus, and

wherein the part of the second information stored in the storing portion and the other part of the second information stored in the data processing apparatus are combined as the second information.

Claim 3 (Currently Amended): The recording and reproducing apparatus as set forth in claim [[1]] 2,

wherein the data processing apparatus has a revoke processing portion for performing revocation with at least the second information stored in the storing portion and the first information unique to the recording medium when the second information stored in the storing portion is not information unique to a valid electronic apparatus or valid application software, and

wherein the connecting portion is configured to send the second information stored in the storing portion to the data processing apparatus.

Claim 4 (Original): The recording and reproducing apparatus as set forth in claim 3, wherein the second information that is sent is encrypted.

Claim 5 (Currently Amended): The recording and reproducing apparatus as set forth in claim [[1]] 2, further comprising:

a revoke processing portion for performing revocation with the second information stored in the storing portion and the first information unique to the recording medium when the second information stored in the storing portion is not information unique to a valid electronic apparatus or valid application software.

Claims 6-8 (Canceled).

Claim 9 (Currently Amended): ~~data processing apparatus as set forth in claim 8, A~~
data processing apparatus, comprising:

a connecting portion for mutually authenticating a recording and reproducing
apparatus for at least recording encrypted data to a recording medium having second
information uniquely assigned to only a valid electronic apparatus or valid application
software and first information unique thereto or reproducing encrypted data therefrom; and

a computer program product with instructions that when executed by a processor
implement a processing portion for at least encrypting data or decrypting encrypted data with
a key generated in accordance with both the first information unique to the recording medium
and sent from the recording and reproducing apparatus through the connecting portion and
the second information unique to the electronic apparatus or application software,

wherein a part of the second information is stored in the storing portion,

wherein the other part of the second information is stored in the recording and
reproducing apparatus, and

wherein the part of the second information stored in the storing portion and the other
part of the second information stored in the data processing apparatus are combined as the
second information.

Claim 10 (Currently Amended): The data processing apparatus as set forth in claim
[[8]] 9,

wherein the data processing apparatus has a revoke processing portion for performing
revocation with both the second information sent from the recording and reproducing
apparatus through the connecting portion and the first information unique to the recording
medium when the second information is not information unique to a valid electronic
apparatus or valid application software.

Claim 11 (Currently Amended): The data processing apparatus as set forth in claim 10, further comprising:

decrypting means for decrypting the ~~encrypted~~ second information.

Claims 12-18 (Canceled).

Claim 19 (Currently Amended): A recording and reproducing apparatus, comprising:
a computer program product with instructions that when executed by a processor implement at least one of a recording portion for recording encrypted data to a recording medium on which first information for revoking an invalid electronic apparatus, second information that ~~is unique to each~~ uniquely identifies a content, third information that ~~can be~~ is defined for each encrypting unit, and identification data that ~~is unique to each~~ uniquely identifies a stamper are recorded and a reproducing portion for reproducing encrypted data from the recording medium;

a storing portion for storing fourth information uniquely assigned to a valid electronic apparatus or valid application software,

a revoke processing portion for determining whether or not the stored fourth information is information unique to a valid electronic apparatus or valid application software in accordance with the first information and the fourth information; and

a calculating portion for obtaining intermediate key information unique to each recording medium in accordance with the first information, the fourth information, the second information, and the identification data when the revoke processing portion has determined that the fourth information is information unique to a valid electronic apparatus or valid application software.

Claim 20 (Original): The recording and reproducing apparatus as set forth in claim 19, further comprising:

an authenticating portion for mutually authenticating a data processing apparatus for at least encrypting data or decrypting encrypted data with a key generated in accordance with the intermediate key information; and

an intermediate key information encrypting portion for encrypting the intermediate key information with a bus key generated when the authentication has been successful and sending the encrypted intermediate key information to the data processing apparatus.

Claim 21 (Currently Amended): A data processing apparatus, comprising:

a computer program product with instructions that when executed by a processor implements an authenticating portion for authenticating a recording and reproducing apparatus for at least recording and reproducing encrypted data to and from a recording medium on which fourth information uniquely assigned to a valid electronic apparatus or valid application software, first information for revoking an invalid electronic apparatus, second information ~~unique to each~~ that uniquely identifies content, third information that ~~can be~~ is defined for each encrypting unit, and identification data ~~unique to each~~ that uniquely identifies a stamper are recorded;

a key information decrypting portion for receiving from the recording and reproducing apparatus intermediate key information unique to each recording medium, the intermediate key information being generated in accordance with the first information, the fourth information, the second information, and the identification data having encrypted with a bus key generated when the authentication has been successful;

an encryption key generating portion for generating an encryption key with the third information received from the recording and reproducing apparatus and the decrypted intermediate key information; and

an encrypting and decrypting portion for at least performing encryption with the encryption key or performing decryption with the encryption key.